CONFERENCE AGENDA

The 1990 FASEB Summer Research Conference on "Fc Receptors and Immunoglobulin Binding Factors" will focus on recent advances in the structure of Fc receptors and immunoglobulin binding molecules and the roles that these proteins play in cellular physiology. Sessions will be devoted to molecular genetics of Fc receptors and associated molecules involved in signal transduction. Other sessions will deal with the signalling mechanisms of Fc receptors, immunoregulatory roles of secreted immunoglobulin binding factors, transport of immunoglobulins across epithelia, approaches to immunotherapy using bispecific IgG conjugates, and roles of Fc receptors in pathology. The nine sessions are described below with proposed session leaders and speakers. Some of the individuals listed below are tentative, and to a significant extent the final program will be influenced by our ability to support the travel expenses of the invited speakers.

Sunday Evening Keynote Speaker: Alan Williams (Oxford) Characteristics of the Ig-Supergene Family

Session I: Molecular Genetics of Fc Receptors in the Ig-Supergene Family.

Jay Unkeless (New York) Chair

Jeff Ravetch (New York), Mark Hogarth (Melbourne), Jean Pierre Kinet (NIH), Jarko Kochan (Hoffman La Roche) This session will deal with the structure and organization of genes that encode Fc receptors and the recent isolation and cloning of genes encoding proteins associated with these Fc receptors.

Session II: Function and Signalling of $Fc_{\epsilon}RI$ on Basophils and Mast Cells

Henry Metzger (NIH) Chair

Marshall Plaut (Boston), Janet Oliver (New Mexico), Mike Beaven (NIH), Larry Lichtenstein (Baltimore). This session will address the mechanism of signal transduction and triggering mediated via $Fc_{\epsilon}RI$ on mast cells and basophils, and the release of lymphokines following prolonged crosslinking of the receptor.

Session III: $Fc_{\gamma}R$ Function and Signalling

Bice Perussia (Philadelphia) Chair

Louis Lanier (Becton Dickinson), Peter Capel (Holland), Steven Greenberg (New York), Robert Kimberly (New York) This session will concentrate on signalling via $Fc_{\gamma}R$, and the stimulation of cytokine release and antibody-dependent cytotoxicity following crosslinking of various members of the $Fc_{\gamma}R$ family.

Source: https://www.industrydocuments.ucsf.edu/docs/xgpv0000

Session IV: Immunoglobulin Binding Factors and Signalling

Wolf Fridman (Paris) Chair

Catherine Sautes (Paris), Clark Anderson (Ohio), Tom Waldschmitt (Iowa), Jean-Luc Teillaud (Paris), Richard Coico (New York). The session will focus on recent advances in the study of the structure of immunoglobulin binding factors and the mechanism(s) by which they regulate B cell production of Ig.

Session V: $Fc_{\epsilon}RII$ Structure and Function

Guy Delespesse (Montreal) Chair

Junji Yodoi (Kyoto), Kikutani (Kyoto), Dan Conrad (Virginia), Marie Sarfati (Montreal), Maureen Kehry (DNAX). This session will focus on the polymorphism of $Fc_{\epsilon}RII$, and the physiological function of the $Fc_{\epsilon}RII$ molecule and its soluble counterpart.

Session VI: Poster Session

Clark Anderson (Ohio) gand Marc Daeron (Paris) Co-Chairs

The session will be devoted to a discussion and some short presentation of the posters presented by conference participants.

Session VII: Immunotherapy and Pathology Involving FcR

David Segal (NIH) Chair

Mike Fanger (Dartmouth), Jay Levy (San Francisco), Jay Unkeless (New York), Charles Grose (Iowa), Janos Gergely (Budapest). This session will discuss the potential of bispecific antibodies in immunotherapy, the role of immune complexes and $Fc_{\gamma}R$ in HIV infection, and anti-$Fc_{\gamma}R$ autoantibody in autoimmune mice.

Session VIII: IgA and IgM Fc Receptors

Dick Lynch (Iowa) Chair

Li Shen (Dartmouth), Bob Boyle (Ohio), Max Cooper (Alabama). The session will focus on bacterial $Fc_{\gamma}R$, $Fc_{\gamma}R$ encoded by Herpes viruses, and receptors for IgA, IgD, and IgM that have recently been characterized with monoclonal antibodies and other reagents.

Session IX: Transport of Ig

Keith Mostov (San Francisco) Chair
Neil Simister (Boston), Ira Mellman (Yale), Elizabeth Sztul (Yale). This session will discuss the mechanism of transport of Ig across epithelia and the receptor domains involved in determining the vectorial nature of the transport.

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